PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT (PCT Article 18 and Rules 43 and 44)

Applicant's of 16627-2PCT	or agent's file reference	FOR FURTHER ACTION	see Form PCT/ISA/220 as well as, where applicable, item 5 below.
International PCT/CA20	application No. 04/001763	International filing date (day/month/year) 29 September 2004 (29-09-2004)	(Earliest) Priority date (day/month/year) 29 September 2003 (29-09-2003)
Applicant BIOAXONE	E THERAPEUTIQUE IN	C. ET AL	
This internation	onal search report has been postering transmitted to the Int	orepared by this International Searching Authority and ernational Bureau.	is transmitted to the applicant according to Article
This internati	onal search report consists o	fa total of 6 sheets.	
ĺ	[X] It is also accompani	ed by a copy of each prior art document cited in this r	eport.
1. Basis of	the report		
a.	With regard to the language it was filed, unless otherwise	, the international search was carried out on the basis indicated under this item.	of the international application in the language in which
		ional search was carried out on the basis of a translatic Rule 23.1(b)).	on of the international application furnished to this
b.	[X] With regard to any	nucleotide and/or amino acid sequence disclosed in	the international application, see Box No. I.
2.	[X] Certain claims we	re found unsearchable (See Box II).	
3.	[] Unity of invention	is lacking (See Box III).	
4. With re	egard to the title.		
	[] the text is approved	as submitted by the applicant.	
		tablished by this Authority to read as follows:	
			•
	Clostridium botulinum C3	exotransferase compositions and methods for treating	tumour spreading
		÷	
	egard to the abstract.	•	·
	[X] the text is approved	as submitted by the applicant.	
	[] the text has been es month from the dat	tablished, according to Rule 38.2(b), by this Authority e of mailing of this international search report, submit	y as it appears in Box IV. The applicant may, within one comments to this Authority.
6. With r	egard to the drawings,		≯
a.	The figure of the drawings	to be published with the abstract is Figure No.	•
	[] as suggeste	ed by the applicant.	
		by this authority, because the applicant failed to sugg	gest a figure.
		by this Authority, because this figure better characte	
ъ.	[X] None of the figures	is to be published with the abstract.	

Form PCT/ISA/210 (first sheet) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No. PCT/CA2004/001763

Box	No. I		Nucleotide and/or amino acid sequence(s) (Continuation of item 1.b of the first sheet)	
1.	With re	egard to	o any nucleotide and/or amino acid sequence disclosed in the international application and necessary to the claimed international search was carried out on the basis of:	
	.a.	type o	of material	
	•	[X]	a sequence listing	
		[]	table(s) related to the sequence listing	
	b.	forma	at of material	
jar		[X]	in written format	
		[X]	in computer readable form	
ı			•	
	c.		of filing/furnishing	
		[X]	contained in the international application as filed	
		[].	filed together with the international application in computer readable form	
	٠	[]	furnished subsequently to this Authority for the purposes of search	
2.	[]	or fur	Idition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been file rnished, the required statements that the information in the subsequent or additional copies is identical to that in the location as filed or does not go beyond the application as filed, as appropriate, were furnished.	хd
3.	Addit	ional co	omments:	٠
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	•			
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Form PCT/ISA/210 (continuation of first sheet (1) (January 2004)

INTERNATIONAL SEARCH REPORT

International application No. PCT/CA2004/001763

gox.	No. II	Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This	internati	onal search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
l.	[X] (Claims Nos.: because they relate to subject matter not required to be searched by this Authority; namely:
	i	Remark: Although claims 1-57 are directed to a method for treatment of the human or animal body, which the Authority is not obliged to search under Rule 39.1(iv) of the PCT, the search has been carried out and based on the alleged effects of the composition.
2.		Claims Nos.: because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
3 .	[]	Claims Nos.: because they are dependant claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box	(III	Observation where unity of invention is lacking (Continuation of item 3 of first sheet)
Thi	s Interna	tional Searching Authority found multiple inventions in this international application, as follows:
† .		
:		
1.	[]	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2.	[]	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3.	[]	As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos. :
4.	[]	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos. :
,; ,,		
Re	mark on	Protest [] The additional search fees were accompanied by the applicant's protest. [] No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (2)) (January 2004)

International application No. PCT/CA2004/001763

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 A61K 38/45, A61P 35/00, A61P 35/04, A61K 38/16, A61K 38/17, A61K 47/48, A61K 47/42

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched 1PC 7 A61K 38/45, A61P 35/00, A61P 35/04, A61K 38/16, A61K 38/17, A61K 47/48, A61K 47/42

Electronic data base consulted during the international search (name of data base, and, where practicable, search terms used) EPO-Internal, Delphion, Canadian Patent Database, Medline Keywords: C3, transferase, ADP-ribosylation, Rho, GTPase, Clostridium, proliferation, cancer

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	CA2342970 Mc KERRACHER, L 2002/10/12 whole document	1-85
Y	EP1177796 MITSUBISHI PHARMA CORPORATION 2002/02/06 whole document, see in particular Claim 1.	1-85
Y	VERSCHUREN, H et al. "ADP-ribosylation of Rho-proteins with botulinum C3 exoenzyme inhibits invasion and shape changes of T-lymphoma cells." European Journal of Cell Biology (1997) Vol.73, pp.182-187. whole document	1-85
Y	IMAMURA, F et al., "Involvement of small GTPases Rho and Rac in the invasion of rat ascites hepatoma cells." Jpn J. Cancer Res. (2000) Vol.91, pp.811-816. whole document	1-85
Y	YOSHIOKA, K et al., "Participation of rhop21 in serum-dependent invasion by rat ascites hepatoma cells." FEBS Letters (1995) Vol.372, pp.25-28. whole document	1-85
Y	US2002/0077283 A1 SESSA, WC 2002/06/20 whole document	1-85
•		

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Furt	her documents are listed in the continuation of Box C.	Patent family members are listed in annex.	
* "A" "E" "L" "O" "P"	Special categories of cited documents: document defining the general state of the art which is not considered to be of particular relevance earlier application or patent but published on or after the internationa filing date document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later tha the priority date claimed	to understand the principle or theory underlying the invention document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art	
:	e of the actual completion of the international-type search	Date of mailing of the international-type search report 22 February 2005 (22-02-2005)	
Name and mailing address of the ISA/CA Commissioner of Patents Canadian Patent Office - PCT Ottawa/Gatineau KIA 0C9 Facsimile No. 1-819-953-9358		Authorized officer André Pilon (819) 997-2996	

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International application No. PCT/CA2004/001763

(Continuati	on). DOCUMENTS CONSIDERED TO BE RELEVANT		
Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.	
A	VAN AELST, L and C D'SOUZA-SCHOREY "Rho GTPases and signalling networks." Genes & Development (1997) Vol.11, pp2295-2322. Whole document	1-85	
A	WILDE, C et al. "Recognition of RhoA by Clostridium botulinum C3 Exoenzyme." Journal of Biological Chemistry (2000) Vol.275, No.22, pp.16478-16483. Whole document	1-85	
A .	AKTORIES, K and I JUST "Monoglucosylation of low-molecular-mass GTP-binding Rho proteins by clostridial cytotoxins." Trends in Cell Biology (1995) Vol.5, pp.441-443. Whole document	1-85	
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INTERNATIONAL SEARCH REPORT Information on patent family members

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